

ABSTRACT

A light-receiving device incorporating particulate semiconductor devices (solar cells) having a light-to-electricity transducing function or a light-emitting device incorporating particulate semiconductor devices (light-emitting diodes) having an electricity-to-light transducing function. In a solar cell panel shown, solar cells are arrayed on the same plane in rows. Each row of solar cells are parallel interconnected through positive electrode wires and negative electrode wires, and solar cells of adjoining rows are interconnected in series through a connection part. These solar cells connected in parallel and in series are covered with a transparent covering member, thus forming a panel. These solar cells each have externally exposed positive and negative electrode terminals, and therefore the solar cells can be interconnected in parallel, in series, or in parallel and series. When the conductive wires and the covering member are flexible, the device can be deformable. When the solar cells are replaced with light-emitting diodes, the device can be a light-emitting one.